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- (71) Applicant (for all designated States except US): HANMI PHARM. CO., LTD. [KR/KR]; #893-5, Hajeo-ri, Paltanmyeon, Hwaseong-gun, Kyungki-do 445-910 (KR).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): JUNG, Sung Youb [KR/KR]; Byucksan 3-danji 305-404, Juk-Yongin-si, Kyungki-do 449-755 ieon-dong. (KR). KIM, Jin Sun [KR/KR]; Jugong Apt. 514-601, #702, Haan-dong, Kwangmyung-si, Kyungki-do 423-060 (KR). KWON, Se Chang [KR/KR]; Hyundai 8-cha 802-2205, Kwangjang-dong, Kwangjin-gu, Seoul 143-210 (KR). LEE, Gwan Sun [KR/KR]; Woochang Apt. Okeum-dong, Songpa-gu, Seoul 138-130 (KR).

- (74) Agents: JANG, Seongku et al.; 19th Fl., KEC Building, #275-7, Yangjae-dong, SeocYangjae-dong, Seocho-ku, Seoul 137-130 (KR).
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(54) Title: EXPRESSION VECTOR FOR SECRETING ANTIBODY FRAGMENT USING E. COLI SIGNAL SEQUENCE AND METHOD FOR MASS-PRODUCING ANTIBODY FRAGMENT

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(57) Abstract: A recombinant expression vector capable of expressing and secreting an antibody fragment fused with <i>E. coli</i> thermostable enterotoxin signal sequence derivative or <i>E. coli</i> outer membrane protein A (Omp A) signal sequence in the form of a soluble heterozygote protein is used to mass-produce the antibody fragment by culturing a microorganism transformed with the expression vector in a medium and collecting the antibody fragment secreted from the transformed microorganism into the medium.